

Title (en)

Video-signal output apparatus and video-signal input apparatus

Title (de)

Bildsignalausgabegerät und Bildsignaleingabegerät

Title (fr)

Appareil de sortie de signaux vidéo et appareil d'entrée de signaux vidéo

Publication

**EP 1052852 A2 20001115 (EN)**

Application

**EP 00304011 A 20000512**

Priority

JP 13442299 A 19990514

Abstract (en)

A video-signal output apparatus performs scrambling, and a video-signal input apparatus performs descrambling. The scrambling and the descrambling are performed so that signal lines are shifted for each period corresponding to one horizontal scanning interval of analog component video signals which corresponds to a horizontal scanning period or for each period which is n times one horizontal scanning period (where n represents a natural number not less than 2). The signal lines are also shifted with timing in a horizontal blanking period of the analog component video signals. When authorization is established as a result of mutual communication between the output apparatus and the input apparatus, scramble and descramble patterns each are determined based on mutually obtained information in the mutual communication. <IMAGE> <IMAGE> <IMAGE>

IPC 1-7

**H04N 7/169**

IPC 8 full level

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**EP 1052852 A2 20001115**; **EP 1052852 A3 20030910**; **EP 1052852 B1 20070214**; CN 1179564 C 20041208; CN 1275032 A 20001129; DE 60033335 D1 20070329; DE 60033335 T2 20071122; JP 2000324469 A 20001124; JP 4395920 B2 20100113; KR 100658380 B1 20061218; KR 20000077240 A 20001226; US 6859536 B1 20050222

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